



## PRODUCT DESCRIPTION:

# TWO COMPONENT EPOXY PUTTY POLYAMINE NMI 680119.

(CURING AGENT 4200500)

NMI EPOXY PUTTY 680119: is designed for use as a primer coat base on epoxy and polyamine resins and inert pigments with an excellent barrier efficiency in moderate and in door environment.

NMI EPOXY TOP COAT 680119: can be applied primed surfaces.

Standard color availability    Manufactured according RAL catalogue.

## GENERAL PROPERTIES :

<b>Adhesion:</b>	-Excellent to primed surfaces.
<b>Corrosion Resistance:</b>	-Excellent on correctly primed surfaces.
<b>Temperature resistance:</b>	-Dry: Maximum 130 °C. At service temperatures above 100°C/212°F, slight discoloration may be expected.

## PHYSICAL PROPERTIES:

<b>Colors/Shade No</b>	Ral No.
<b>Finish</b>	Flat.
<b>Volume Solid</b>	100%
<b>Theoretical spreading rate</b>	1 m <sup>2</sup> /liter 1000Mic. Dft.
<b>Flash point</b>	38 °C
<b>Specific gravity</b>	1.7-1.8 kg/liter.
<b>V.O.C.</b>	95gr\lit.
<b>Shelf life</b>	1 Years (25°C / 77°F) from time of production. Depending on storage condition. mechanical stirring may be necessary before usage.

## MIXING:

<b>Mixing ratio (by weight)</b>	Component A:NMI 680119 2Part	Component B: 4200500 1Part
<b>Pot life</b>	1 hours (20 °C/ 68 °F)	

## APPLICATION :

<b>Conditions</b>	Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3 °C above the dew point.	
<b>Method</b>	Trowel	Brush (touch-up)
<b>Thinner (max. vol.)</b>		
<b>Spray setting</b>		
<b>Pump ratio minimum</b>		
<b>Tip size</b>		
<b>Tip pressure</b>		
<b>Cleaning of tools</b>	Thinner 30001	
<b>Indicated film thickness, dry</b>	1000 microns	
<b>Indicated film thickness, wet</b>	1000 microns	

## DRYING AND CURING TIMES AT (20 °C):

<b>Dry to touch</b>	Max.2 hour
<b>Hard dry</b>	Max.48 hours
<b>Full curing</b>	7 days
<b>Recoat interval, min</b>	8 hours
<b>Recoat interval, max</b>	7 days . see REMARKS

## APPLICATION AND CURING CONDITIONS:

**Primed surfaces** The surface must be completely clean and dry at the time of application, and its temperature must be above the dew point to avoid condensation. Minimum temperature for curing is 10°C/50°F. High humidity and/or condensation during application and the following 16 hours (20°C/68°F) may adversely affect the film formation. In confined spaces provide adequate ventilation during application and drying.

### REMARKS:

**PRECEDING COAT:** None.

**SUBSEQUENT COAT:** None.

**Film thickness:** May be specified in another film thickness than indicated depending on purpose and area of use.

**Thinning:** This will alter spreading rate and may influence drying time and recoating intervals. The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner 3001 is recommended in general. (Normal Range is a 1000 -300micron /40-120 mils)

**Recoating and drying/curing time** Recoating intervals related to later conditions of temperature:

Physical data versus temperatures:					
Surface temperature		5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F
Dry to touch approx.		16 hours	10 hours	6 hours	3 hours
Resist condensing humidity/ light showers after		4 days	2 days	24 hours	12 hours
Fully cured		20 days	14 days	7 days	5 days
Recoating interval with epoxy and polyurethane top coats	Min	24 hours	16 hours	8 hours	4 hours
	Max	15 days	12 days	7 days	5 days

**A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoating intervals. Any dirt, oil, and grease have to be removed, e.g. with suitable detergent.**

**Salts to be removed by fresh water hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.**

### SAFETY:

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult RSI material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only on well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

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